

Infoblox DDI for Amazon Web Services



Key Features & Benefits

- Enterprise-grade DNS, DHCP, and IP address management across AWS EC2
- Fully automated allocation of IP address and DNS record creation for AWS workloads
- Integration with Amazon Route 53 DNS for consistent hybrid cloud deployments
- Automated discovery of virtual instances and VPCs within AWS deployment
- Multiple deployment options for scale and high availability
- Flexible licensing for investment protection—license portability across AWS and private clouds

Achieving Consistent DDI Management across On-premises and Public Cloud Networks

Enterprises are increasingly deploying workloads in industry-leading AWS EC2 for increased agility and elasticity. Often these deployments are a component of a hybrid cloud strategy that includes multiple platforms such as VMware, OpenStack, and traditional architectures.



However, most organizations lack the ability to consistently manage DNS, DHCP, and IP addresses across the environment. Furthermore, without an enterprise-grade solution to centralize management for DNS and IP addresses in a public/private cloud, there is limited visibility of the networks, VPCs, IP addresses, and DNS records that are being assigned—and no correlation of common resources such as DNS zones and networks across platforms. Without network automation, multiple handoffs between the cloud, network, and security teams delay provisioning and increase the number of trouble tickets. Infoblox DDI for AWS can help.

Enterprise-grade DNS and IP Address Management for AWS

The Infoblox DNS, DHCP, and IP address management (DDI) solution can now be extended into Amazon AWS EC2 deployments, providing consistent DDI management across the entire public and private environment. With automated virtual instance discovery, IP address allocation, and DNS provisioning, organizations can improve agility, reduce provisioning errors, and enhance visibility of virtual machine network infrastructure inside AWS deployments. Benefits of the solution include:

- **Simplified DNS and IP address management across AWS EC2, private clouds, and traditional networks:** With the industry-leading DDI platform and integration into Amazon Route 53, Infoblox helps to consistently manage networks, IP addresses, and DNS records with a virtual appliance option inside AWS. A unified console supports all platforms and ensures a uniform policy of DNS naming conventions and network/IP address provisioning across clouds. In multi-cloud environments, Infoblox reconciles disparate terminologies such as tenants, VPCs, and VMs to drive consistency, thereby simplifying these deployments.
- **More agile and faster cloud provisioning:** Infoblox dramatically shortens the time needed to provision new workload instances in AWS EC2 environments. Administrator overhead is reduced by eliminating handoffs between cloud and network teams in the provisioning process. And when virtual resources are decommissioned, IP addresses and DNS records are automatically reclaimed.
- **Amazon Route 53 DNS Service:** Limited support beyond pure AWS environments means that enterprises cannot create a single, unified DDI solution. Infoblox extends the industry-leading DDI platform to integrate with AWS and Amazon Route 53, providing a unified, enterprise-grade solution for AWS and hybrid cloud deployments. This integration reduces complexity by bridging the gap between network and cloud teams and providing a single console to manage on-premises and AWS public cloud and private cloud deployments.

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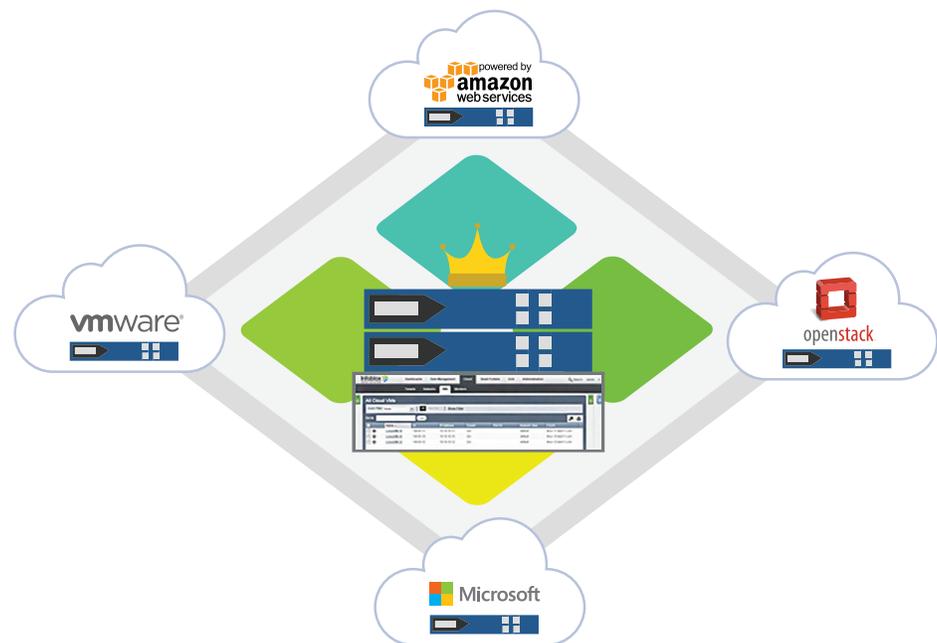
Business Value

- Successful hybrid cloud deployments across AWS, VMware vSphere, OpenStack, and other platforms
 - Consistent policies and agile management of DNS and IP addresses across AWS EC2, Amazon Route 53, and internal networks
 - Elimination of complex administration associated with legacy options for DNS in AWS deployments
 - Improved visibility with discovery and tracking of AWS cloud resources
 - Hardened virtual appliance and optional DNS Firewall for security and malware detection
 - Reduced risk and ensured compliance through current and historical visibility into dynamic cloud network resources
- **Automated discovery, visibility, and compliance auditing:** Discovery and tracking of public cloud infrastructure and workloads is a challenge for many organizations. Infoblox DDI for AWS provides automatic discovery and visibility of VPCs and EC2 instances, making it easy to bring public cloud assets under common DNS and IP address management. Detailed auditing of DNS and IP address information for AWS resources across networks and geographic regions simplifies compliance reporting and ensures complete visibility.

Why Infoblox

Infoblox provides the only enterprise-grade solution with highly automated, elastic, and secure DNS, DHCP, and IP address management for traditional networks and public or hybrid cloud deployments. With Infoblox, IT administrators get extended visibility into AWS EC2 resources in addition to multi-platform support resources for better security and audit capabilities for their virtualized and traditional network resources—all in a single, consolidated view. According to IDC, Infoblox is #1 with 50 percent market share in enterprise-grade DDI.

For more information about Infoblox DDI for Amazon Web Services, visit our website, or contact your Infoblox sales representative.



Only Infoblox supports traditional networks and multi-vendor private/public/hybrid clouds with enterprise-grade DDI.

About Infoblox

Infoblox delivers critical network services that protect Domain Name System (DNS) infrastructure, automate cloud deployments, and increase the reliability of enterprise and service provider networks around the world. As the industry leader in DNS, DHCP, and IP address management, the category known as DDI, Infoblox reduces the risk and complexity of networking.